

# EUROPEAN PATENT OFFICE

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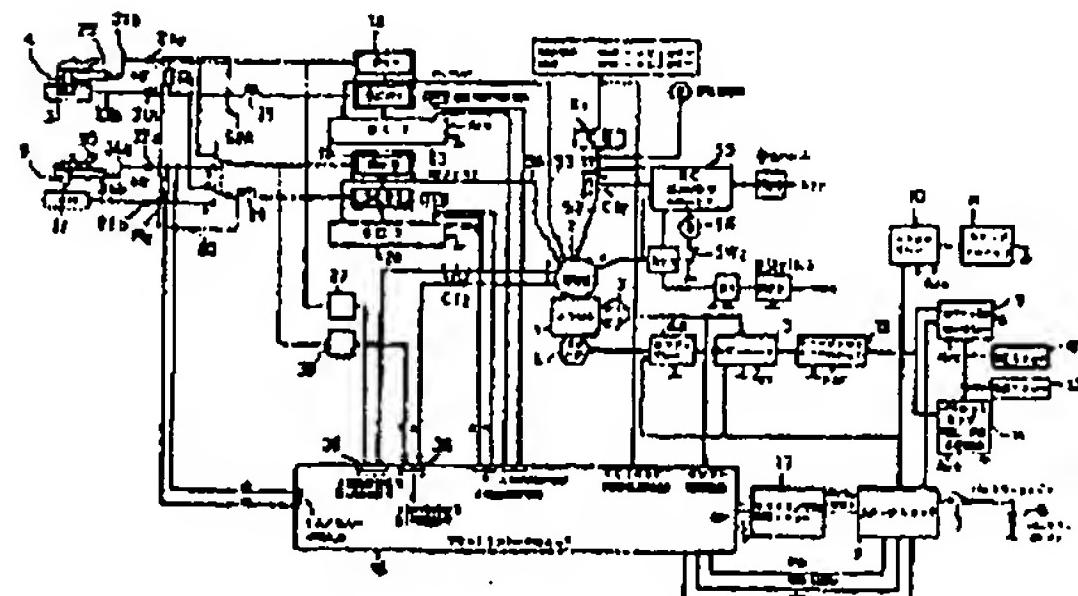
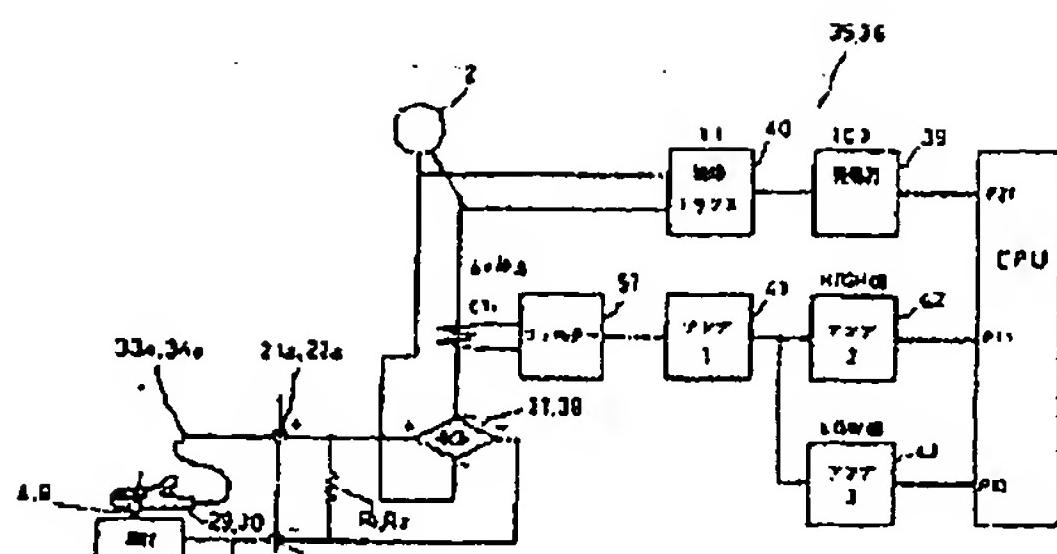
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TITLE : REMOTE CONTROL METHOD AND  
DEVICE FOR ENGINE WELDING  
MACHINE



ABSTRACT : PURPOSE: To facilitate the remote control of the start, stop, etc., of an engine welding machine by superposing a high-frequency signal for remote control in addition to a welding current on a welding cable and discriminating the high-frequency signal via a noise filter.

CONSTITUTION: The high-frequency signal for remote control is lower in level than the welding current and is, therefore, inputted only via the amplifier 43 for a low level after the removal of the noise with a noise filter 57 to a CPU which makes a processing operation. Various kinds of control, such as start and stop, are executed by the CPU which receives the pulsative signals for remote control by the contact of base metals 31, 32 and the contactors of respective holders 29, 30 or the 1st contactors of respective touch sensors A, B. Then, the discrimination of the welding current and the control signal is extremely facilitated and is surely utilizable for the remote control for the purpose of control and the control operation by the remote control.

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